What Is Claimed Is:

1. A method for measuring an absolute steering angle Φ of a steering shaft for a vehicle using a first rotatable body that rotates together with the steering shaft of the vehicle at a predetermined rotation ratio, the method comprising the steps of:

5   obtaining a Ψ_M' value by measuring a relative rotational angle Ψ'' of the first rotatable body by means of a first angle sensor whose measurement range is Ω;

obtaining a present value for a frequency i-value of the first rotatable body by comparing the present Ψ_M' value to a previous Ψ_M' value; and

obtaining a present value for a absolute steering angle $\Phi 1$ of the steering shaft

10   from a present value for an absolute rotational angle Ψ of the first rotatable body by using the Ψ_M' value and the present i-value.

2. The method according to claim 1, comprising the steps of:

obtaining a θ_M' value by measuring a relative rotational angle θ' of the second

15   rotatable body, which is rotating together with a steering shaft at a predetermined rotation ratio, by means of a second angle sensor whose measurement range is Ω;

obtaining a present value for a frequency j-value of the second rotatable body by comparing a present θ_M' value to a previous θ_M' value; and

obtaining a present value for the absolute steering angle $\Phi 2$ of the steering shaft

20   from a present value for an absolute rotational angle θ of the second rotatable body by using the θ_M' value and the present j-value; and

taking a mean value of the $\Phi 1$ and the $\Phi 2$.